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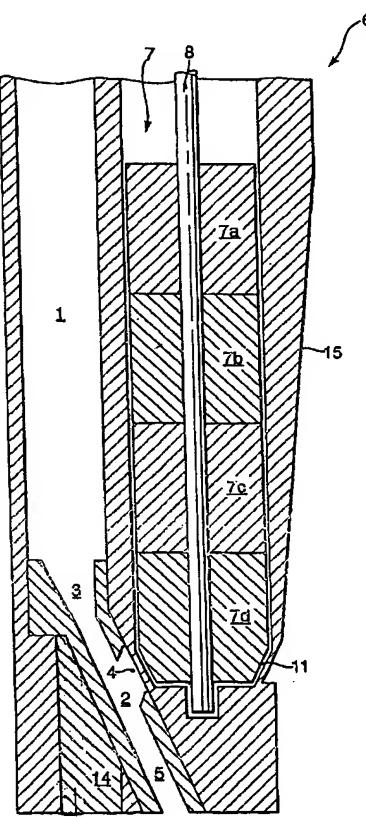
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(54) Title: DEVICE FOR TRANSPORTING PARTICLES OF A MAGNETIC MATERIAL AND TOOL COMPRISING SUCH A DEVICE



(57) Abstract: A device for transporting particles containing a magnetic material in a selected direction, comprising: a magnet (7) arranged to generate a magnetic field for retaining the particles on a support surface (15) whereby the magnetic field on the support surface comprises a high-field band, a low-field band, and a magnetic field gradient between said high- and low-field bands; means for advancing the high- and low-field bands relative to the support surface (15) in a direction having a component in the direction of said magnetic field gradient, whereby the high-field band is followed by the low-field band; whereby along said high-field band at least a first magnetic pole and a second magnetic pole of opposite polarity are arranged such that a first magnetic path on the support surface from the first magnetic pole to the second magnetic pole is shorter than a second magnetic path on the support surface crossing the gradient zone from the first magnetic pole to any other nearest magnetic pole of opposite polarity.

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